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(54) A DISC BRAKE

(71) HALDEX BRAKE PRODUCTS AB [SE/SE]; Box 501, S-261 24 Landskrona
(SE).

(72)

(75) SEVERINSSON, Lars [SE/SE]; Nordanåvägen 27, S-310 21 Hishult (SE).

(74) STRÖM, Tore, et al; Ström & Gulliksson AB, Box 4188, S-203 13 Malmö
(SE).

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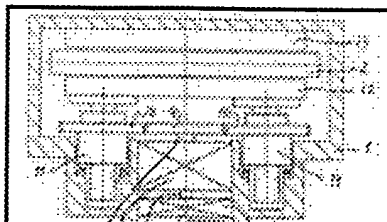
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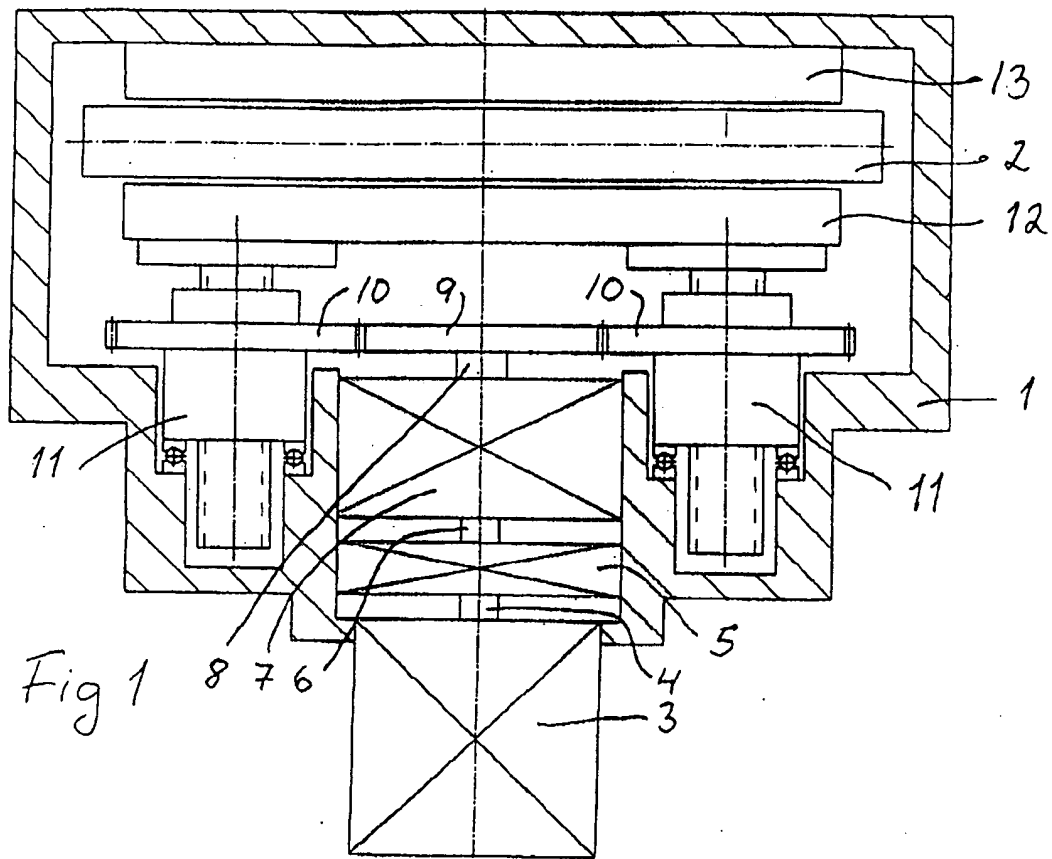
(57) A disc brake for a heavy road vehicle has a caliper (1) arranged at a brake disc (2) mounted on a wheel axle of the vehicle. A thrust rod (11) of the disc brake transforms a rotational ingoing movement from a drive means (3) into a linear



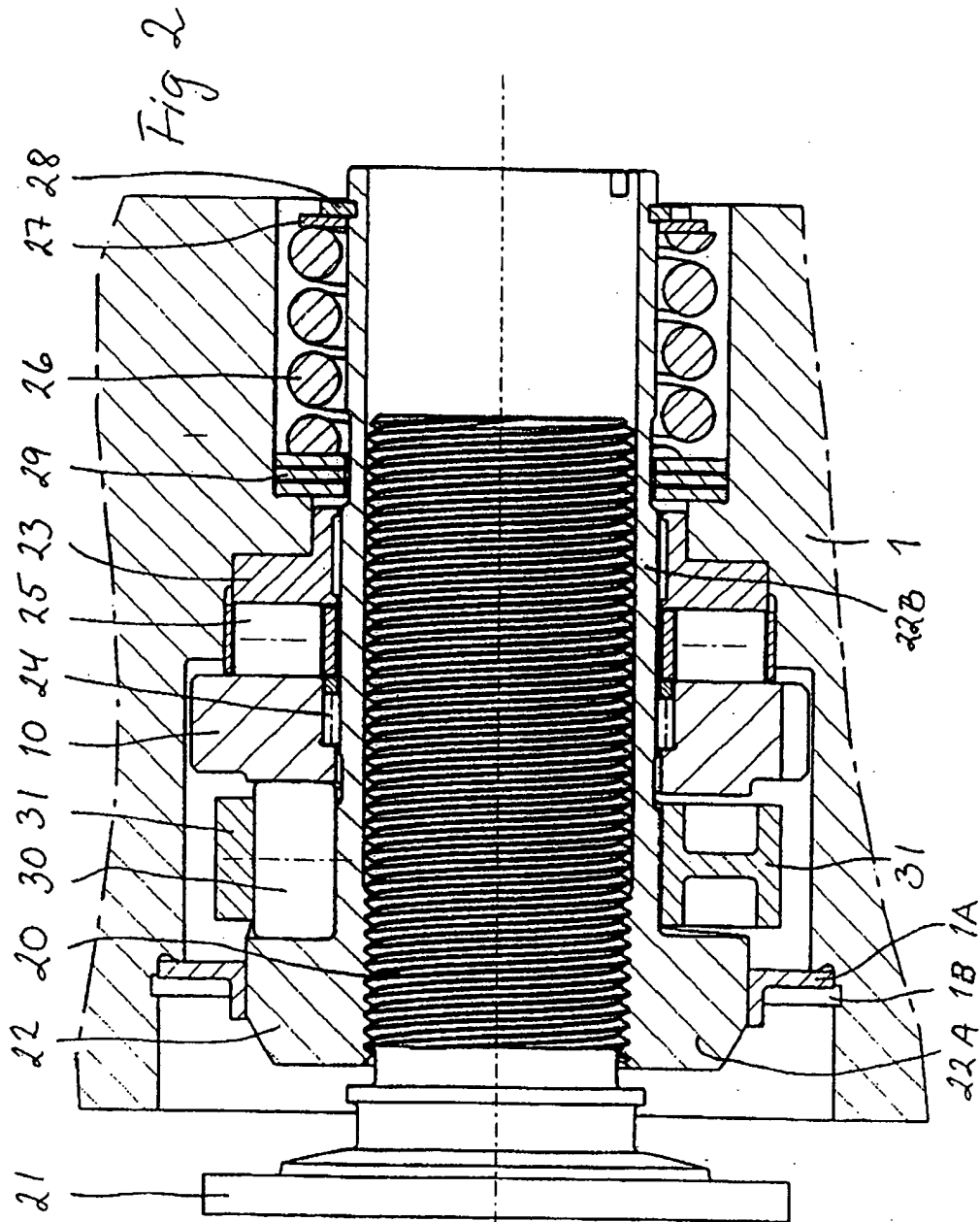
outgoing movement for transmission to a disc brake pad (12), intended for braking engagement with the brake disc. The thrust rod has a non-rotatable spindle (20), a rotatable nut member (22) in thread engagement with the spindle, and a thrust rod gear (10) for receiving the ingoing rotational movement. A biased roller and ramp arrangement (30, 10', 22') is operationally interposed between the nut member (22) and the thrust rod gear (10) and is intended for rotating the nut member on the spindle at a low counterforce in the spindle and for axially transferring the nut member with the spindle at a high counterforce in the spindle.



【図1】



【図2】



【図3】

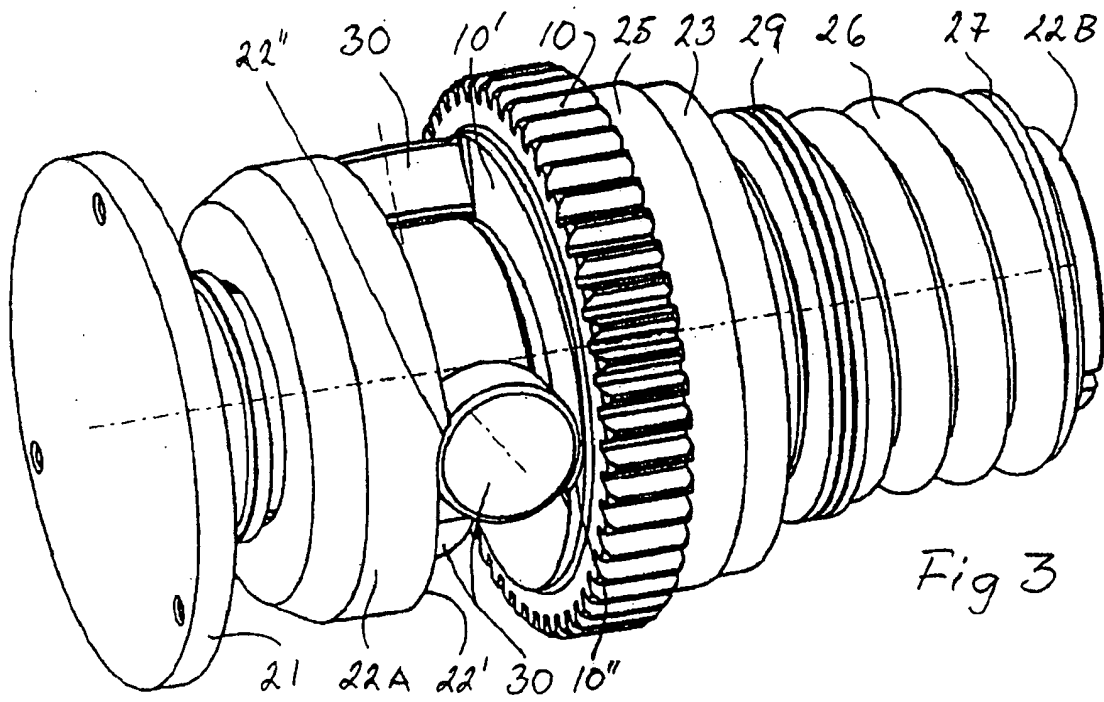


Fig 3

【図4】

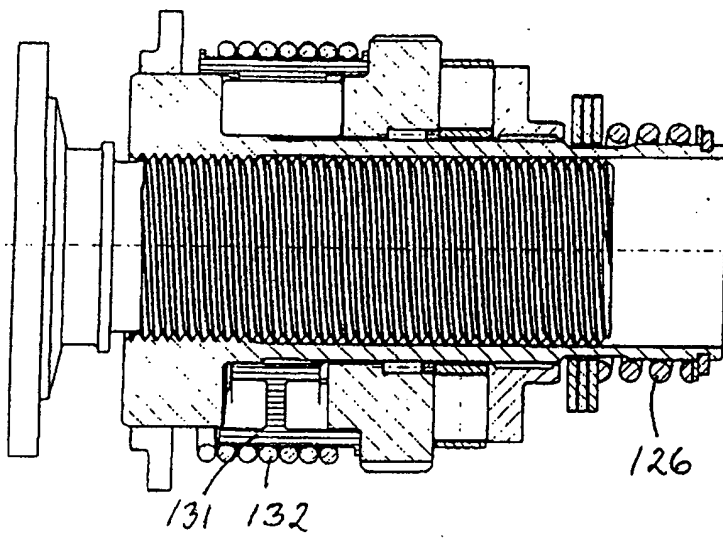
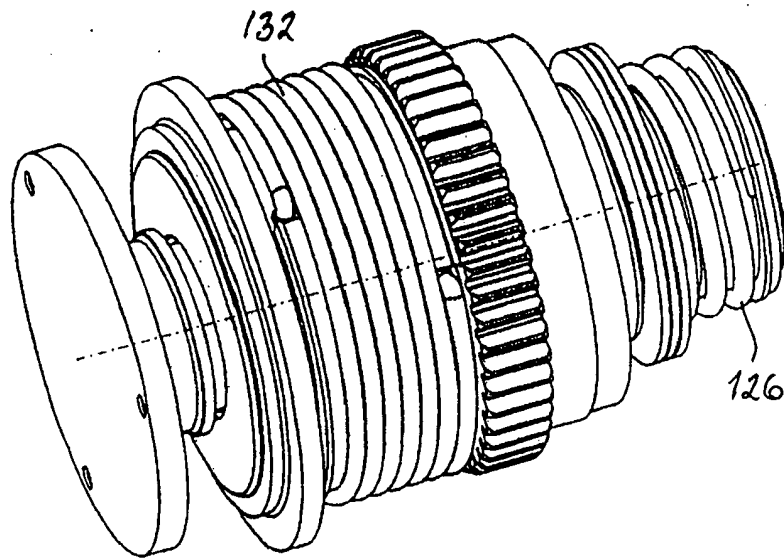


Fig 4

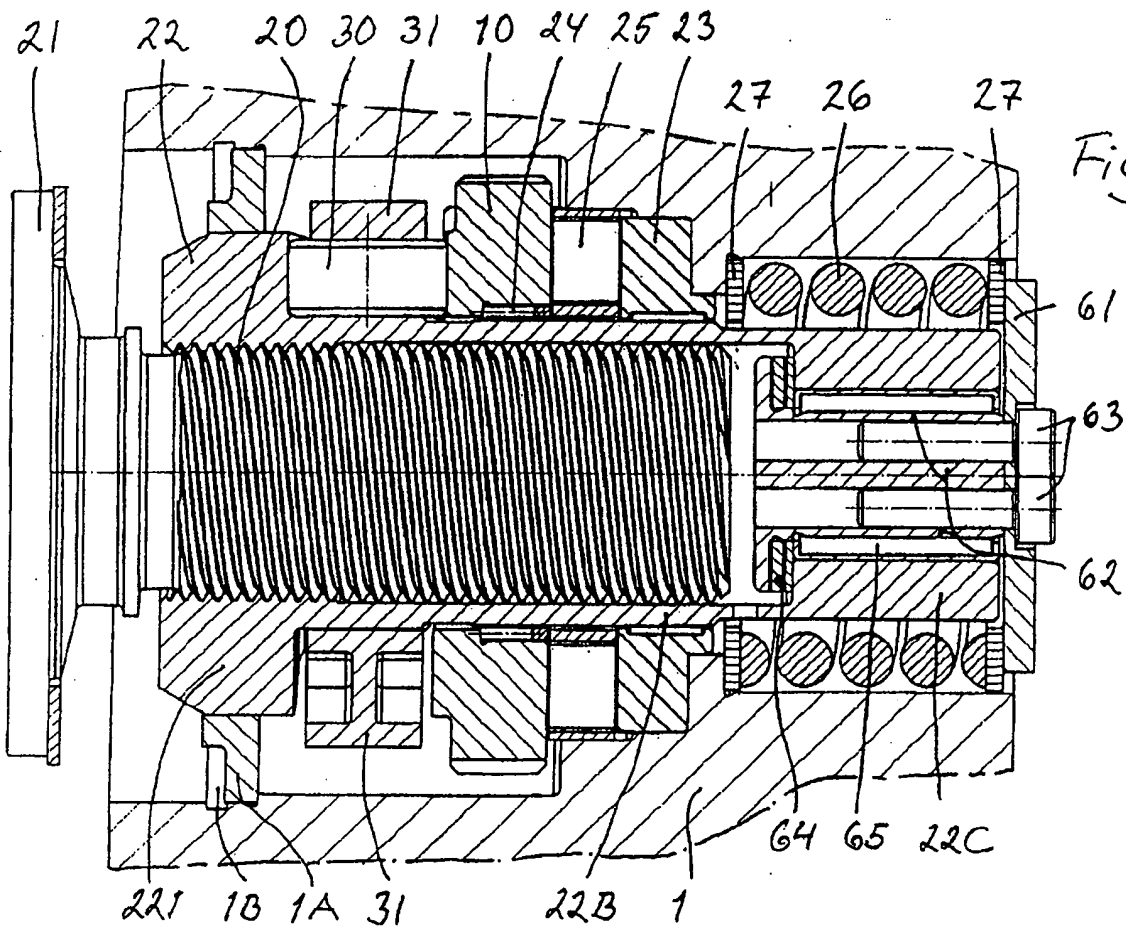
【図5】

Fig 5

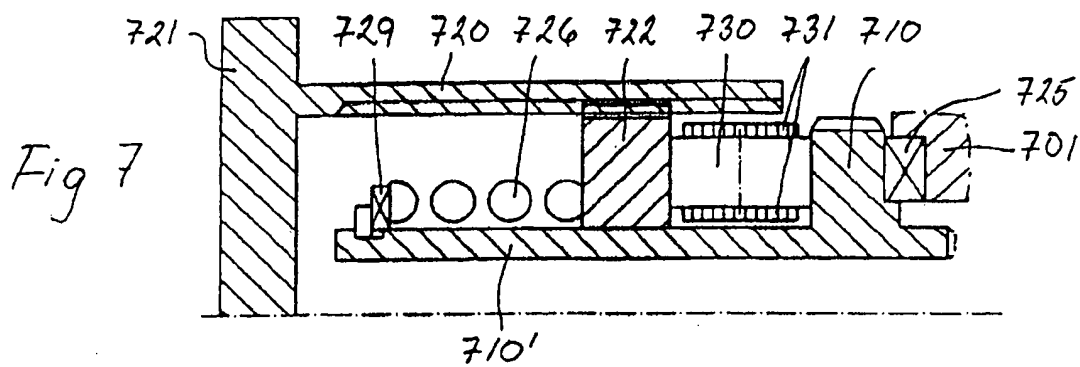


【図6】

Fig 6



【図7】



【図8】

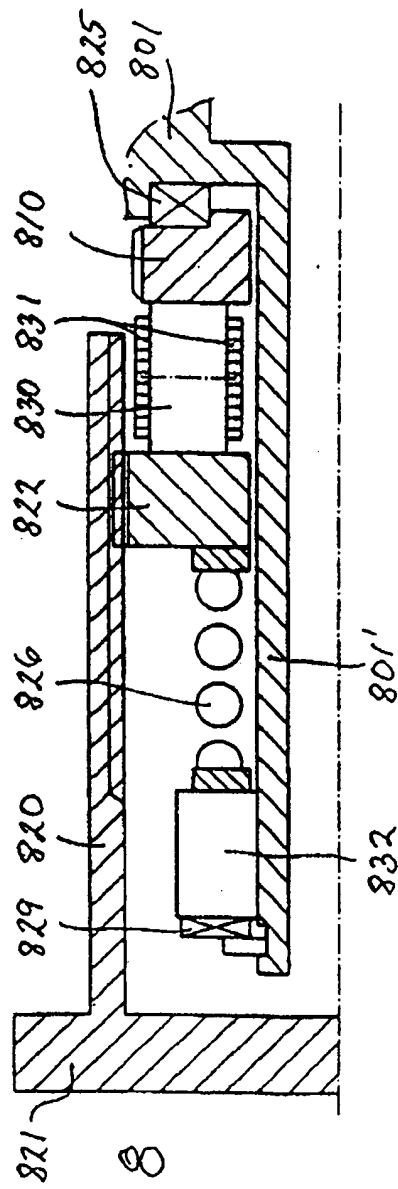


Fig 8

【国際調査報告】

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 00/02402

A. CLASSIFICATION OF SUBJECT MATTER		
IPC7: F16D 65/21, B60R 13/14 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC7: F16D, B60T		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
SE,OK,FI,NO classes as above		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0886076 A2 (DEUTSCHES ZENTRUM FÜR LUFT- UND RAUMFAHRT E.V.), 23 December 1998 (23.12.98), figures 2-6,8,9, claims 8-10 -- -----	1-3,13
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (to be specified) "O" documents referring to an oral disclosure, use, exhibition or other means "P" documents published prior to the international filing date but later than the priority date claimed "I" Inter document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
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Patent document cited in search report	Publication date	Patent family number(s)	Publication date
EP 0886076 A2	23/12/98	DE 19807432 A US 6059076 A	17/12/98 09/05/00
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